

D1 100. (Twice Amended) ~~The isolated polynucleotide of claim 96, wherein said first nucleic acid encodes a polypeptide fragment which is capable of functioning as a functional domain within a[part of a] mature DR5 polypeptide to induce apoptosis.~~

D2 118. (Twice Amended) ~~The isolated polynucleotide of claim 114, wherein said first nucleic acid encodes a polypeptide fragment which is capable of functioning as a functional domain within a[part of a] mature DR5 polypeptide to induce apoptosis.~~

D3 155. (Twice Amended) ~~The isolated polynucleotide of claim 152, which encodes a polypeptide fragment which is capable of functioning as a functional domain within a[part of a] mature DR5 polypeptide to induce apoptosis.~~

D4 191. (Twice Amended) ~~The isolated polynucleotide of claim 186, wherein said nucleic acid hybridizes to the complement of nucleotides 754 to 1362 of SEQ ID NO:1, and wherein said nucleic acid encodes a polypeptide fragment which is capable of functioning as a functional domain within a[part of a] mature DR5 polypeptide to induce apoptosis.~~

D5 211. (Twice Amended) ~~The isolated polynucleotide of claim 205, wherein said first nucleic acid encodes a polypeptide fragment which is capable of functioning as a functional domain within a[part of a] mature DR5 polypeptide to induce apoptosis.~~

D6 272. (Once Amended) ~~[The]An isolated polynucleotide [of claim 271, wherein said polypeptide encodes at least 50]comprising a nucleic acid which encodes a polypeptide comprising 50 contiguous amino acids within amino acids 1 to 360 of SEQ ID NO:2.~~

273. (Once Amended) The polynucleotide of claim [270]272, wherein said nucleic acid encodes a polypeptide fragment capable of functioning as a functional domain within[as part of] a DR5 extracellular domain to bind TRAIL.

D6 274. (Once Amended) The polynucleotide of claim [270]272, wherein said nucleic acid encodes a polypeptide fragment which is capable of functioning as a functional domain within[part of] a mature DR5 polypeptide to induce apoptosis.

275. (Once Amended) The polynucleotide of claim [270]272, further comprising a heterologous polynucleotide.

D7 279. (Once Amended) A method of producing a vector that comprises inserting the polynucleotide of claim [170]272 into a vector.

~~280.~~ (Once Amended) A vector comprising the polynucleotide of claim [270]272.

D8 282. (Once Amended) A host cell comprising the polynucleotide of claim [270]272.

D9 286. (Once Amended) A method of producing a polypeptide comprising culturing the host cell of claim 282 under conditions such that said polypeptide is expressed, and recovering said polypeptide, wherein said polypeptide binds an antibody with specificity for a polypeptide consisting of amino acids 1 to 360 of SEQ ID NO:2.